

COURSE DETAIL

MACHINE LEARNING (LEVEL 2)

Country

United Kingdom - England

Host Institution

University College London

Program(s)

Summer at University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

122

UCEAP Course Suffix

S

UCEAP Official Title

MACHINE LEARNING (LEVEL 2)

UCEAP Transcript Title

MACHINE LEARNING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Much of modern machine learning rests upon a range of mathematical methods and many introductory machine learning courses seek to introduce algorithms before ensuring the link with these methods is made. This course offers students an introduction to traditional Machine Learning in a rigorous mathematical fashion. Assuming a familiarity with key results of linear algebra, differential calculus, probability and statistics, the course introduces the key areas of traditional machine learning and seeks to cover the key tools (and theorems) within these areas, and to illustrate these with practical exemplars.

Language(s) of Instruction

English

Host Institution Course Number

ISSU0137

Host Institution Course Title

MACHINE LEARNING (LEVEL 2)

Host Institution Course Details

<https://www.ucl.ac.uk/prospective-students/summer-school/modules/machine-learni...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2025-2026

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